

Birsen CAN

Dr. Öğr. Gör.



İletişim Bilgileri

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Mesleki Deneyim

Öğretim Görevlisi Doktor 2019 - Halen
İstanbul Kültür Üniversitesi - Lisansüstü Eğitim Enstitüsü - İnşaat Mühendisliği Ana Bilim Dalı - Geoteknik Bölümü

Araştırmacı 2015 - 2017
Boğaziçi Üniversitesi - Kandilli Rasathanesi ve Deprem Araştırma Enstitüsü - Jeofizik Ana Bilim Dalı

Araştırma Görevlisi 2002 - 2015
Boğaziçi Üniversitesi - Kandilli Rasathanesi ve Deprem Araştırma Enstitüsü - Jeofizik Ana Bilim Dalı

Eđitim Bilgileri

Doktora	2006 - 2019 Bođaziçi Üniversitesi - Kandilli Rasathanesi ve Deprem Arařtırma Enstitüsü - Jeofizik Ana Bilim Dalı
Yüksek Lisans	2002 - 2006 Bođaziçi Üniversitesi - Kandilli Rasathanesi ve Deprem Arařtırma Enstitüsü - Jeofizik Ana Bilim Dalı
Lisans	1996 - 2000 İstanbul Teknik Üniversitesi - Maden Fakóltesi - Jeofizik Mühendisliđi Bölümü

Projeler

2009 - 2010	Bođaziçi Üniversitesi Bilisel Arařtırma Projeleri Mikro Depremler ile Fay Direncinin Arařtırılması
2007 - 2009	Bođaziçi Üniversitesi Kandilli Rasathanesi ve Deprem Arařtırma Enstitüsü Jeofizik Ana Bilim Dalı İstanbul Büyükşehir Belediyesi İstanbul Anadolu Yakası Mikro Bölgeleme Projesi
2006 - Halen	Bođaziçi Üniversitesi Kandilli Rasathanesi ve Deprem Arařtırma Enstitüsü Jeofizik Ana Bilim Dalı Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences A Seismic Array on the Prince Islands Offshore Istanbul to Monitor the Microseismic Activity at the Seismic Gap below the Sea of Marmara PIRES (Prince Islands Real-time Earthquake Monitoring System)

2006 - 2008

Boğaziçi Üniversitesi Kandilli Rasathanesi
ve Deprem Araştırma Enstitüsü
Jeofizik Ana Bilim Dalı
Devlet Planlama Teşkilatı
Orta ve Doğu Anadolu'da Taş Ocağı ve Yapay
Sismik Kaynak Kullanılarak Yer Kabuğunun ve
Basenlerin Belirlenen Hatlar Boyunca
Araştırılması

2006 - 2007

Boğaziçi Üniversitesi Kandilli Rasathanesi
ve Deprem Araştırma Enstitüsü
Jeofizik Ana Bilim Dalı
İstanbul Büyükşehir Belediyesi
İstanbul Avrupa Yakası Mikro Bölgeleme Projesi

2005 - 2007

Boğaziçi Üniversitesi Bilisel Araştırma
Projeleri
Bursa - Adapazarı Doğrultusunda Kontollü
Kaynak Kullanarak Üst Kabuk Yapısının
Araştırılması

2004 - 2007

Boğaziçi Üniversitesi Kandilli Rasathanesi
ve Deprem Araştırma Enstitüsü
Jeofizik Ana Bilim Dalı
Türkiye Ulusal Jeodezi ve Jeofizik Birliği
Orta ve Doğu Anadolu'da Yapay Sismik Kaynak
Kullanarak Yer Kabuğu Yapısının Ayrıntılı
Araştırılması ve Deprem İstasyonlarının
Kalibrasyonu

2003 - 2004

Boğaziçi Üniversitesi Kandilli Rasathanesi
ve Deprem Araştırma Enstitüsü
Jeofizik Ana Bilim Dalı
Centre National de la Recherche Scientifique
Laboratoire de Geophysique Interne et de
Tectonophysique
Seismic Reflection Study at Avcılar and
Sarimeşe, Turkey

2001 - 2005

Boğaziçi Üniversitesi Kandilli Rasathanesi
ve Deprem Araştırma Enstitüsü
Jeofizik Ana Bilim Dalı
Massachusetts Institute of Technology
Lawrence Livermore National Laboratory
Calibration of Regional Seismic Stations in the
Middle East with Shots in Turkey

Yayınlar

Uluslararası

- Özgün Makale
- Hakemli / SCI-Expanded
- Thickness of the Lithosphere beneath Turkey and Surroundings from S Receiver Functions
- Rainer Kind, Tuna Eken, Frederik Tilmann, Forough Sodoudi, Tuncay Taymaz, Fatih Bulut, Xiaohui Yuan, **Birsen Can** and Felix Schneider
- Solid Earth
- vol. 6, ss. 971 - 984, 2015

Uluslararası

- Özgün Makale
- Hakemli / SCI-Expanded
- Crustal Anisotropy in the Eastern Sea of Marmara Region in Northwestern Turkey
- Tuna Eken, Marco Bohnhoff, Fatih Bulut, **Birsen Can** and Mustafa Aktar
- Bulletin of the Seismological Society of America
- vol. 103, no: 2A, ss. 911 - 924, 2013

Ulusal

- Özgün Makale
- Hakemli / SCI-Expanded
- Marmara Denizi'ndeki Deprem Kümeleri ve Fiziksel Farklılıkları
- **Birsen Can**, Mustafa Aktar, Fatih Bulut, Marco Bohnhoff ve Georg Dresen
- I. İstanbul Adaları Sempozyumu
- Adalar Kültür Derneği Yayınları
No: 18, ISBN: 978-605-64995-2-4, Sertifika No: 1107-34-009232, ss. 264 - 273, 2015

Bilimsel Kongre / Sempozyum ve Toplantılar

Uluslararası

- **Birsen Can**, Mustafa Aktar, Marco Bohnhoff and Georg Dresen
- Compilation of Earthquake Cluster Characteristics in Eastern Marmara Sea

- **36th General Assembly of the European Seismological Commission (ESC) 2018**
- 02-07 September 2018
- Valletta, Malta

Uluslararası

- **Birsen Can**, Mustafa Aktar, Marco Bohnhoff and Georg Dresen
- Analysis and Classification of Physical Characteristics of Earthquake Clusters in Eastern Marmara Using PIREs Array Data
- **The 3rd International Summer School on Earthquake Science, “Monitoring Physical Properties Associated with Tectonic Processes”**
- 4-8 September 2015
- Laforet Yamanakako, Yamanashi, Japan

Uluslararası

- Tuna Eken, Rainer Kind, Frederik Tilmann, Forough Sodoudi, Tuncay Taymaz, Fatih Bulut, Xiaohui Yuan, **Birsen Can** and Felix Schneider
- Thickness of the Lithosphere beneath Anatolia from S Receiver Functions
- **European Geosciences Union (EGU) General Assembly 2015**
- 12-17 April 2015
- Vienna, Austria

Uluslararası

- **Birsen Can**, Mustafa Aktar, Fatih Bulut, Marco Bohnhoff and Georg Dresen
- Applications of Advanced Array Techniques in Geometrically Limited Seismic Arrays: Case of PIREs
- **Second European Conference on Earthquake Engineering and Seismology (2ECEES)**
- 24-29 August 2014
- İstanbul, Turkey

Uluslararası

- Rainer Kind, Tuna Eken, Frederik Tilmann, Forough Sodoudi, Fatih Bulut, Xiaohui Yuan and **Birsen Can**
- Structure of the Upper Mantle beneath Anatolia Resolved from S Receiver Functions
- **European Geosciences Union (EGU) General Assembly 2014**
- 27 April - 2 May 2014
- Vienna, Austria

Uluslararası

- **Birsen Can**, Mustafa Aktar, Fatih Bulut, Marco Bohnhoff and Georg Dresen
- Spatial Variations of Earthquake Clusters in Eastern Marmara
- **European Geosciences Union (EGU) General Assembly, Topical Conference Series, 9th Alexander von Humboldt Conference 2014 “High Impact Natural Hazards Related to the Euro Mediterranean Region”**
- 24-28 March 2014
- Boğaziçi University Kandilli Observatory and Earthquake Research Institute, İstanbul, Turkey

Uluslararası

- **Birsen Can**, Mustafa Aktar, Fatih Bulut, Marco Bohnhoff and Georg Dresen
- Earthquake Clusters in Marmara Sea and their Physical Differences
- **The 20th International Geophysical Congress and Exhibition of Turkey**
- 25-27 November 2013
- Antalya, Turkey

Ulusal

- **Birsen Can**, Mustafa Aktar, Fatih Bulut, Marco Bohnhoff and Georg Dresen
- Earthquake Clusters in Marmara Sea and

their Physical Differences

- **1st İstanbul Islands Symposium**
- 3-6 October 2013
- Büyükada, İstanbul, Turkey

Uluslararası

- **Birsen Can**, Mustafa Aktar, Fatih Bulut, Marco Bohnhoff and Georg Dresen
- Study of Earthquake Clusters in the Marmara Sea Using PIREs Arrays
- **International Association of Hydrological Sciences (IAHS) - International Association for the Physical Sciences of the Oceans (IAPSO) - International Association of Seismology and Physics of the Earth's Interior (IASPEI) Joint Assembly, "Knowledge for the Future"**
- 22-26 July 2013
- Gothenburg, Sweden

Uluslararası

- **Birsen Can**, Mustafa Aktar, Fatih Bulut, Marco Bohnhoff and Georg Dresen
- Can We Classify Physical Characteristics of Clusters in Marmara Sea and Relate them to Spatial Distribution?
- **40th Workshop of the International School of Geophysics, "Properties and Processes of Crustal Fault Zones"**
- 18-24 May 2013
- Erice, Sicily, Italy

Uluslararası

- **Birsen Can**, Mustafa Aktar, Fatih Bulut, Marco Bohnhoff and Georg Dresen
- High Accuracy Study of Source Scaling in Marmara Sea Using Seismic Arrays
- **European Centre for Geodynamics and Seismology (ECGS) Workshop 2012: Earthquake Source Physics on Various Scales**
- 3-5 October 2012

- Luxembourg, Luxembourg

Uluslararası

- **Birsen Can**, Mustafa Aktar, Marco Bohnhoff and Georg Dresen
- Array Monitoring and High Accuracy Study of Source Scaling in Marmara Sea
- **33rd General Assembly of the European Seismological Commission (ESC) 2012**
- 19-24 August 2012
- Moscow, Russia

Uluslararası

- Tuna Eken, Fatih Bulut, Marco Bohnhoff, **Birsen Can**, Mustafa Aktar and Georg Dresen
- Crustal Anisotropy in the Eastern Sea of Marmara Region
- **American Geophysical Union (AGU) Fall Meeting 2011**
- 5-9 December 2011
- San Francisco, California, America

Uluslararası

- Marco Bohnhoff, Tuna Eken, Fatih Bulut, **Birsen Can**, Mustafa Aktar and Georg Dresen
- Monitoring Micro-seismicity at the Princes Islands Segment of the North Anatolian Fault Zone: Recent Results from the PIREs Network
- **American Geophysical Union (AGU) Fall Meeting 2011**
- 5-9 December 2011
- San Francisco, California, America

Uluslararası

- Fatih Bulut, Marco Bohnhoff, William L. Ellsworth, Tuna Eken, Mustafa Aktar, **Birsen Can** and Georg Dresen
- Seismotectonic Studies at Princes Islands Segment of the NAFZ: Recent Results from

the PIRES Network and Future Plans

- **International Ocean Discovery Program (IODP) Marmara Trans Workshop**
- 13-15 June 2011
- İstanbul Technical University, İstanbul, Turkey

Uluslararası

- Marco Bohnhoff, Tuna Eken, Fatih Bulut, **Birsen Can**, Mustafa Aktar and Georg Dresen
- Monitoring Micro-seismicity at the Princes Islands Segment of the North Anatolian Fault Zone: Recent Results from the PIRES Network
- **Seismological Society of America (SSA) 2011 Annual Meeting**
- 13-15 April 2011
- Memphis, Tennessee, America

Uluslararası

- Tuna Eken, Fatih Bulut, Marco Bohnhoff, **Birsen Can**, Mustafa Aktar and Georg Dresen
- Monitoring Micro-seismicity at the Princes Islands Segment of the North Anatolian Fault Zone: Recent Results from the PIRES Network
- **European Geosciences Union (EGU) General Assembly 2011**
- 3-8 April 2011
- Vienna, Austria

Uluslararası

- **Birsen Can**, Mustafa Aktar, Marco Bohnhoff and Georg Dresen, Examples of Fk Analysis and Searching for Small Close Events
- **Liebenberg Workshop on Natural and Induced (micro) Seismicity**
- 17-18 February 2011
- Berlin, Germany

Uluslararası

- Tuna Eken, Fatih Bulut, Marco Bohnhoff, Georg Dresen, **Birsen Can** and Mustafa Aktar
- Monitoring Micro-seismicity at the Princes Islands Segment of the North Anatolian Fault Zone: Recent Results from the PIRES Network
- **Liebenberg Workshop on Natural and Induced (micro) Seismicity**
- 17-18 February 2011
- Berlin, Germany

Uluslararası

- Mustafa Aktar, Michel Bouchon, Hayrullah Karabulut, Marie Paule Bouin, Georg Dresen, Marco Bohnhoff, Fatih Bulut, **Birsen Can** and Dean Childs
- The Izmit Earthquake (1999) and Marmara Faults Near İstanbul: What We Know After 10 Years of Research
- **Advanced Workshop on Geophysics, Geodesy and Tectonics of the North Africa Plate Boundary Algiers**
- 15-21 May 2010
- Algeria, Algeria

Uluslararası

- Mustafa Aktar, Michel Bouchon, Hayrullah Karabulut, Marie Paule Bouin, Georg Dresen, Marco Bohnhoff, Fatih Bulut, **Birsen Can** and Dean Childs
- Observations Sismologiques dans le Bassin de Cinarcik
- **La Faille Nord Anatolienne, Histoire d'une Rupture Sismique**
- 28-29 Janvier 2010
- Colloque Scientifique à l'Université de Strasbourg, Strasbourg, France

Uluslararası

- Mustafa Aktar, Georg Dresen, Marco

Bohnhoff, Fatih Bulut, **Birsen Can** and Dean Childs

- High Resolution Seismic Observations and Plan for Deep Geophysical Observatory on the North Anatolian Fault
- **17 August 1999 Izmit Earthquake: 10th Anniversary**
- 17 August 2009
- İstanbul Technical University, İstanbul, Turkey

Uluslararası

- **Birsen Can**, Mustafa Aktar, Fatih Bulut, Georg Dresen, Marco Bohnhoff and Dean Childs
- Calibration of the Incidence Angle in PIREs Array Using Quarry Blasts
- **31st General Assembly of the European Seismological Commission (ESC) 2008**
- 7-12 September 2008
- Hersonissos, Crete, Greece

Uluslararası

- **Birsen Can** and Cemil Gürbüz
- The Crustal and Upper Mantle Shear Wave Velocity Structure beneath Eastern Turkey
- **European Geosciences Union (EGU) General Assembly 2007**
- 15-20 April 2007
- Vienna, Austria

Uluslararası

- Tolga Bekler, Kivanç Kekovalı, Metin Zobu, Tolga Komut, **Birsen Can** and Didem Samut
- Improved Seismic Velocity Structure in Armutlu Block at Eastern Marmara Region, Turkey
- **American Geophysical Union (AGU) Fall Meeting 2006**
- 11-15 December 2006
- San Francisco, California, America

Uluslararası

- **Birsen Can** and Cemil Gürbüz
- The Crustal and Upper Mantle Shear Wave Velocity Structure beneath Eastern Turkey Using Inversion of Surface Wave Dispersion
- **American Geophysical Union (AGU) Fall Meeting 2005**
- 5-9 December 2005
- San Francisco, California, America

Uluslararası

- Cemil Gürbüz, Tolga Bekler, Sadi Kuleli, Nafi Toksöz, Doğan Kalafat, Doğan Aksarı,
- Tuğçe Afacan, **Birsen Can**, Mehmet Ergin, Serdar Özalaybey and Craig Schultz
- Calibration of Local Seismic Stations and Crustal Structure in Central Anatolia with Land Explosions
- **29th General Assembly of the European Seismological Commission (ESC) 2004**
- 12-17 September 2004
- Potsdam, Germany

Kurslar

Uluslararası

- **36th General Assembly of the European Seismological Commission (ESC) 2018, “Peter Bormann Young Seismologist Training Course (YSTC) on Array Seismology”**
- 27-31 August 2018
- Malta University, Valletta, Malta

Uluslararası

- **1st International Elite PhD Course “Deep Earth Processes and their Surface Expression”**

- by Prof. Dr. Peter Molnar and Prof. Dr. Tony Watts
- 22-26 January 2018
- Eurasia Institute of Earth Sciences, İstanbul Technical University, İstanbul, Turkey

Uluslararası

- **The 3rd International Summer School on Earthquake Science, “Monitoring Physical Properties Associated with Tectonic Processes”**
- 4-8 September 2015
- Laforet Yamanakako, Yamanashi, Japan

Ulusal

- **Python/ObsPy Software and Applications**
- 4-5 February 2013
- Bogazici University Kandilli Observatory and Earthquake Research Institute, İstanbul, Turkey

Uluslararası

- **Network of European Research Infrastructures for Earthquake Risk Assessment and Mitigation (NERA) Project**
- European Community's Seventh Framework Programme (**FP7**), Transnational Access, The European Commission (**EC**) Project Contract Number: 262330
- 1-31 August 2011
- NORSAR, Kjeller, Norway

Uluslararası

- **Radar Interferometry (InSAR) Workshop**
- by Mohamed Chlieh and Olivier Cavalie, Universite de Nice, France
- 14-17 June 2011
- Bogazici University Kandilli Observatory

and Earthquake Research Institute,
İstanbul, Turkey

Uluslararası

- **Earthquake Analysis Software (SEISAN) Workshop**
- 17-19 March 2010
- Bogazici University Kandilli Observatory and Earthquake Research Institute, İstanbul, Turkey

Uluslararası

- **European Seas Observatory Network of Excellence Workshop and Training Course, (ESONET NoE), “Seafloor Observation Techniques for Marine Geo-hazard Monitoring”**
- 18-19 August 2009
- İstanbul Technical University, İstanbul, Turkey

Uluslararası

- **31st General Assembly of the European Seismological Commission (ESC) 2008, Young Seismologist Training Course (YSTC), “Active Tectonics and Seismicity”**
- 2-7 September 2008
- Chania, Crete, Greece

Uluslararası

- **Microzoning Survey Workshop and Series of Lectures**
- by Prof. Dr. Hiroshi Okada, Hokkaido University, Japan
- 9 October - 23 November 2006
- Bogazici University Kandilli Observatory and Earthquake Research Institute, İstanbul, Turkey

Uluslararası

- **Observatories and Research Facilities for European Seismology (ORFEUS) WG2 Workshop, “Installation and Operation of Broadband Seismograph Stations”**
- 18-20 November 2002
- Bogazici University Kandilli Observatory and Earthquake Research Institute, İstanbul, Turkey

Staj

Uluslararası

- **The International Association for the Exchange of Students for Technical Experience (IAESTE)**
- 15 July 1998 - 31 August 1998
- The General Petroleum Company (GPC) Cairo, Egypt

